

**PROVIDEO**  
by CSI/SPECO

# CVC-340LC

## MOTION SENSOR SECURITY LIGHTS WITH B/W CCD CAMERA



### FEATURES

- 3.6mm WIDE ANGLE LENS
- 0.5 LUX
- MOTION SENSOR FOR LIGHTING CONTROL
- WEATHERPROOF OUTDOOR CAMERA BUILT INTO AN OUTDOOR LIGHT FIXTURE
- SURFACE MOUNT WEATHERPROOF ELECTRICAL BOX
- 12V DC POWER SUPPLY, AC ADAPTER
- MOUNTING BRACKET AND WIRING HARNESS INCLUDED

### THE PROVIDEO PRODUCT LINE INCLUDES:

- Video Observation Systems
- Color Cameras
- B/W Cameras
- Specialty Cameras
- Board Cameras
- Weatherproof Cameras
- Mounting Brackets & Lenses
- Video Door Phones
- B/W Monitors
- Color Monitors
- Sequential Switchers
- Quad Splitters
- Vehicular Rear Vision Systems
- VCR's and Other Accessories
- Wireless Video Cameras

Specifications subject to change without notice.

### SPECIFICATIONS

#### IMAGE DEVICE

1/3" CCD image sensor

#### SCANNING SYSTEM

512 H x 492 V picture elements

#### INTERLACE

EIA standard 525 TV lines 60 fields/sec

#### SYNCHRONIZATION SYSTEM

PLL 2:1

#### RESOLUTION

Internal

#### SHUTTER CONTROL

Hor. 380 TV lines, Vert. 350 TV lines

#### ELECTRONIC SHUTTER

Auto 1/60 - 1/50,000 sec

#### LENS/ANGLE OF VIEW

Built-in

#### SCANNING FREQUENCY

3.6mm lens, Hor. 72°, Vert. 53°

#### MINIMUM ILLUMINATION

Hor 15.75 KHz, Vert 60 Hz

#### VIDEO OUTPUT LEVEL

0.5 Lux (F1.4) incandescent lighting

1.0 Vp-p, 75 ohms composite,

RCA connector

Greater than 45dB

#### VIDEO S/N RATIO

RCA - Video with BNC adapter,

#### OUTPUTS/CONNECTIONS

DC jack - power

#### OPERATING TEMPERATURE

14°F - 130°F

#### HUMIDITY

Within 90% RH

#### POWER REQUIREMENTS

12V DC power supply included,

#### POWER CONSUMPTION

UL and CSA listed

#### WEIGHT

100mA

#### DIMENSIONS

2-1/2 lbs (includes light housing)

Base 5" dia x 10" Deep (w mounting ears center to center)

#### HOUSING

Black metal

**CSI/SPECO**

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# Heath/Zenith

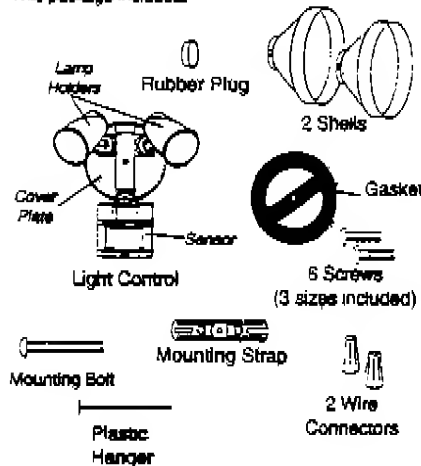
## Motion Sensor Light Control

Model SL-6412

### Features

- Turns on lighting when motion is detected.
- Automatically turns lighting off.
- Photocell keeps the lighting off during daylight hours.
- LED indicates motion was sensed (day or night).

This package includes:



### Requirements

- The Light Control requires 120-volt AC.
- If you want to use Manual Mode, the control must be wired through a switch.
- Some codes require installation by a qualified electrician.
- This product is intended for use with the enclosed gasket and with a junction box marked for use in wet locations.

### OPERATION

Mode:	On-Time:	Works:	Day	Night
Test	5 Sec		x	x
Auto	1, 5, 10 min.			x
Manual	Until Dawn*			x

\* resets to Auto Mode at dawn.

Note: When first turned on wait about 1½ minutes for the circuitry to calibrate.

### TEST

Put the ON-TIME switch on the bottom of the sensor in the TEST position.



### AUTO

Put the ON-TIME switch in the 1, 5 or 10 minute position.



### MANUAL MODE

Manual mode only works at night because daylight returns the sensor to AUTO.

Flip the light switch off for one second then back on to toggle between AUTO and MANUAL MODE.



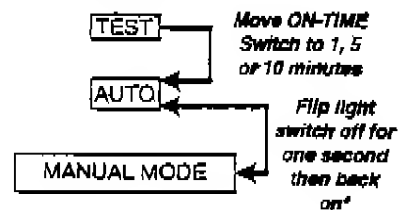
1 Second OFF then...

Manual mode works only with the ON-TIME switch in the 1, 5, or 10 position.



... back on.

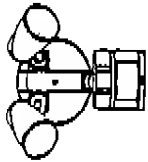
### Mode Switching Summary



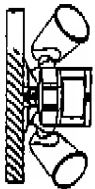
\* If you get confused while switching modes, turn the power off for one minute, then back on. After the calibration time the control will be in the AUTO mode.

## INSTALLATION

For easy installation, select an existing light with a wall switch for replacement.



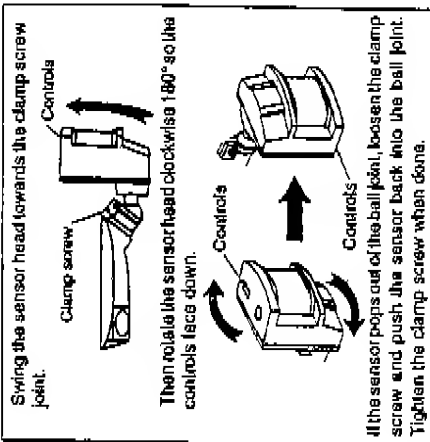
**Wall Mount**



**Eave Mount**

For under eave installation, the sensor head must be rotated as shown in the next two steps for proper operation and to avoid the risk of electrical shock.

For eave mount only:



If the sensor pops out of the ball joint, loosen the clamp screw and push the sensor back into the ball joint. Tighten the clamp screw when done.

### WIRE THE LIGHT CONTROL

Turn power off at the fuse or circuit breaker.

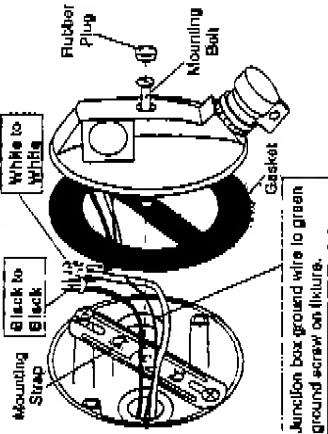
Remove the existing light fixture.

Install the mounting strap as shown using two screws that fit your junction box.

The plastic hanger can be used to hold the fixture while wiring. The small end of the plastic hanger can be threaded through the hole in the center of the cover plate. The small end then goes into one of the slots on the mounting strap.

Route the Light Control's wires through the large gasket holes.

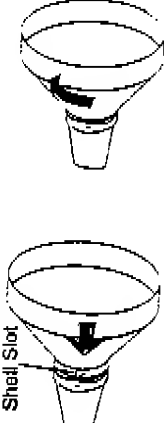
Twist the junction box wires and fixture wires together as shown. Secure with wire connectors.



### MOUNT THE LIGHT CONTROL

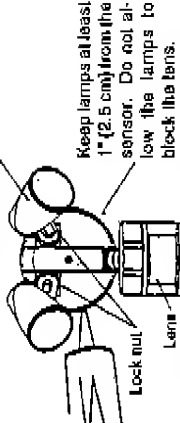
Align the Light Control cover plate and cover plate gasket. Secure with the mounting bolt.

Align the three slots in the decorative shell with the lamp holder pins. Push the shell in and then twist clockwise to lock. Repeat for other shell.



Push the Rubber Plug firmly into place. If a wall location function box was not used, caulk the wall plate mounting surface with silicone weather sealant.

To avoid water damage and electrical shock, keep lamp holders 30° below horizontal.



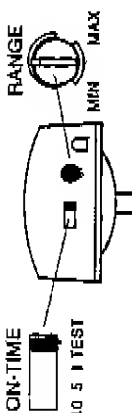
Adjust the lamp holders by loosening the lock nuts but do not rotate the lamp holders more than 180° from the factory setting. When screwing in the floodlamps, do not overtighten.

## TEST AND ADJUSTMENT

Turn on the circuit breaker and light switch.

**NOTE:** Sensor has about 1½ minutes warm up period before it will detect motion. When first turned on, wait about 1½ minutes.

Turn the RANGE control to the mid position and the ON-TIME control to the TEST position.

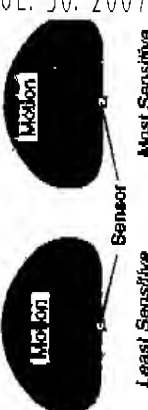


**Bottom of Sensor**

Avoid aiming the control at:

- Objects that change temperature rapidly, such as heating vents and air conditioners. These heat sources could cause false triggering.
- Areas where pets or traffic may trigger the control.
- Nearby large, light-colored objects reflecting light may trigger the shut-off feature. Do not point other lights at the sensor.

The detector is most sensitive to motion across its field of view.



Loosen the clamp screw in the sensor ball joint and gently rotate the sensor.

Walk through the coverage area noting where you are when the lights turn on (also, the LED will flash several times when motion is detected). Move the sensor head up, down, or sideways to change the coverage area.

Keep the sensor at least 1" (2.5 cm) away from the lamps.

Adjust the RANGE as needed. RANGE set too high may increase false triggering.

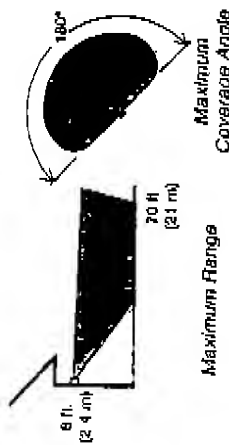
Secure the sensor head by tightening the clamp screw. Do not overtighten the screw.

Set the amount of TIME you want the lights to stay on after motion is detected (1, 5 or 10 minutes).

## SPECIFICATIONS

- Range ..... Up to 70 ft. (21 m) (varies with surrounding temperature).
- Sensing Angle ..... Up to 180°
- Electrical Load ..... 300 watt incandescent (150 each lamp holder.)
- Power Requirements, 120 VAC, 60 Hz
- Operating Modes ..... TEST, AUTO and MANUAL MODE
- Time Delay ..... 1, 5, 10 minutes

HealthZenith reserves the right to discontinue products and to change specifications at any time without incurring any obligation to incorporate new features in products previously sold



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## TROUBLESHOOTING GUIDE

If you experience a problem with your Light Control, follow this guide.

SYMPTOM	POSSIBLE CAUSE
Lights will not come on.	<ol style="list-style-type: none"> <li>1. Light switch is turned off.</li> <li>2. Flood light is loose or burned out.</li> <li>3. Fuse is blown or circuit breaker is turned off.</li> <li>4. Daylight turn-off is in effect (recheck after dark).</li> <li>5. Incorrect circuit wiring, if this is a new installation.</li> <li>6. Re-aim the sensor to cover desired area.</li> </ol>
Lights come on in daylight.	<ol style="list-style-type: none"> <li>1. Light Control may be installed in a relatively dark location.</li> <li>2. Light Control is in Test. (Set control switch to an ON-TIME position.)</li> </ol>
Lights come on for no apparent reason.	<ol style="list-style-type: none"> <li>1. Light Control may be sensing small animals or automobile traffic (re-aim sensor).</li> <li>2. Range is set too high. (Reduce Range.)</li> </ol>

SYMPTOM	POSSIBLE CAUSE
Lights stay on continuously.	<ol style="list-style-type: none"> <li>1. A flood lamp is positioned too close to the sensor or pointed at nearby objects that cause heat to trigger the sensor. (Reposition the lamp away from the sensor or nearby objects.)</li> <li>2. Light Control is pointed toward a heat source like an air vent, dryer vent, or brightly-painted heat-reflective surface. (Reposition sensor.)</li> <li>3. Light Control is in Manual Mode. (Switch to Auto.)</li> </ol>
Lights flash on and off.	<ol style="list-style-type: none"> <li>1. Heat or light from the lamps may be turning the Light Control on and off. (Reposition the lamps away from the sensor.)</li> <li>2. Heat being reflected from other objects may be affecting the sensor. (Reposition sensor.)</li> <li>3. Light Control is in the Test mode and warming up. (Flashing is normal under these conditions.)</li> <li>4. Light may be leaking through the floodlamp reflectors. (Make sure the metal lamp protectors are installed.)</li> </ol>

### YOUR HEATH/ZENITH TEN YEAR LIMITED WARRANTY

This is a "Limited Warranty" which gives you specific legal rights. You may also have other rights which vary from state to state or province to province.

For a period of ten years from the date of purchase, any malfunction caused by factory defective parts or workmanship will be corrected at no charge to you. Light bulbs are not covered. To obtain a refund or a replacement, return the product to the place of purchase.

**Not Covered:** Repair service, adjustment and calibration due to misuse, abuse or negligence, light bulbs and other expendable items are not covered by this warranty. Unauthorized service or modification of the product or of any furnished component will void the warranty in its entirety. This warranty does not include reimbursement for inconvenience, installation, setup time, loss of use, or unauthorized service.

This warranty covers only Heath/Zenith assembled products and is not extended to other equipment and components that a customer uses in conjunction with our products.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY, REPRESENTATION OR CONDITION OF MERCHANT ABILITY OR THAT THE PRODUCTS ARE FIT FOR ANY PARTICULAR PURPOSE OR USE, AND SPECIFICALLY IN LIEU OF ALL SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

REPAIR OR REPLACEMENT SHALL BE THE SOLE REMEDY OF THE CUSTOMER AND THERE SHALL BE NO LIABILITY ON THE PART OF OESA FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO ANY LOSS OF BUSINESS OR PROFITS, WHETHER OR NOT FORESEEABLE.

Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Return receipt for warranty claims.